

# TECHNICAL DATA SHEET

**SENSATION Mid ESD S2 No. 76106**


**Sz. 37 - 48**



## LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S2	Basic requirement for S2: <b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel - <b>WPA</b> Water penetration and absorption - Closed heel area
Additional requirements	<b>FO FUEL RESISTANCE</b> <b>SR SLIP RESISTANCE</b> on ceramic tile with glycerine.



## FORM




Safety laced boot 	Form B - in size 42, the upper height must be at least 11.3 cm.
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## AREAS OF APPLICATION

Areas of application	Indoors and outdoors Areas where exposure to moisture is expected (S2) Areas where there is a risk of electrostatic discharge (ESDS/ESD)
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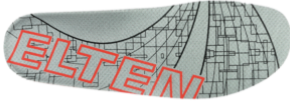
## FEATURES

ESD equipment	Thanks to its excellent discharge capability, the shoe is suitable for work in ESD sensitive or electrostatically protected areas (EPA). The shoes comply to the standard 61340-5-1.	
Sizes (unisex model)	<ul style="list-style-type: none"> <li>Expanded size range: available in sizes 37 - 48</li> </ul>	
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> <li>Certified for orthopaedic modifications / inserts</li> </ul>	
Low weight sole	<ul style="list-style-type: none"> <li>Comfortable</li> </ul>	

<b>FEATURES</b>	
Padded tongue	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: The tongue prevents pressure marks.</li> </ul>
Collar padding	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: the ankle-wrapping, softly padded upper edge provides for stability and grip in the shoe.</li> </ul>
<b>UPPER MATERIAL</b>	
Hydrophobized textile material with jeans look	<ul style="list-style-type: none"> <li>• Areas of application S2/S3</li> <li>• Synthetic material</li> <li>• Shape-retaining</li> <li>• Tear-resistant</li> <li>• Dries quickly</li> <li>• Wear-resistant and light</li> <li>• Water penetration/absorption in accordance with EN ISO 20345 S2</li> <li>• By hydrophobation, higher resistance against water penetration and water absorption</li> </ul>
Hydrophobized nubuck leather	<ul style="list-style-type: none"> <li>• Areas of application S2/S3</li> <li>• Natural material</li> <li>• Wear-resistant</li> <li>• Breathable</li> <li>• Water penetration/absorption in accordance with EN ISO 20345 S2</li> <li>• By hydrophobation, higher resistance against water penetration and water absorption</li> </ul>
Sustainably produced leather 	<ul style="list-style-type: none"> <li>• Manufactured in Germany according to high social and ecological standards</li> </ul>
<b>LINING</b>	
Fabric lining BIOACTIVE 	<ul style="list-style-type: none"> <li>• Climate-regulating</li> <li>• High breathability</li> <li>• Skin-friendly</li> <li>• High degree of moisture absorption and release</li> </ul>
Heel pocket lining	<ul style="list-style-type: none"> <li>• The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.</li> </ul>
<b>TOE PROTECTION CAP</b>	
Steel toe cap 	<ul style="list-style-type: none"> <li>• Protection against impacts of min. 200 joules and pressure loading of min. 15 kN</li> <li>• Permanent edge coverage for cushioning</li> <li>• Ergonomically shaped</li> <li>• Comfortable toe room</li> <li>• Good coverage of the little toe area</li> </ul>

## INLAY SOLE

Full-length inlay sole  
ESD PRO



- ESD EQUIPMENT: Protection against electrostatic discharge (ESD). The full-length, exchangeable inlay sole is conductive and designed for the use in ESD safety footwear according to the standards DIN EN ISO 20345 and DIN EN 61340-5-1.
- The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.
- The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate.
- The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort.
- Improvement of the shoe climate thanks to the PU foam's open cell structure. So the foot is always kept comfortably dry.

## INSOLE

ESD soft-fleece insole

ESD equipment: Protection against electrostatic discharge (ESD), and without using additional means fulfilling a bridge function to the outsole.

- Approximately 50 % lighter than comparable soles made of natural materials
- Flexible and shape-retaining
- Good air permeability
- Excellent wear resistance
- High moisture absorption
- Quick drying (virtually overnight)

## OUTSOLE

L10 extended wedge  
double-density sole



- Excellent slip resistance
- Antistatic

Outsole: TPU (thermoplastic polyurethane)

- Colour: translucent
- Profile depth: 2.5 mm
- Particularly abrasion-resistant
- Heat-resistant to approx. 130°C
- Flexible at cold temperatures to approx. -30°C
- Oil and fuel resistant

Midsole: PU (polyurethane)

- The soft PU core provides a good impact absorption and high wearing comfort